INSULATION MONITORING DEVICE AND INSULATION MONITORING METHOI

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Applicant:

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- european:

Application number:

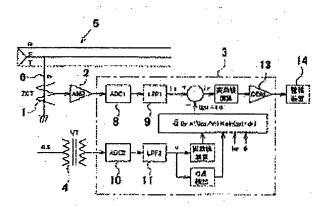
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Abstract of **JP2004012147**

<P>PROBLEM TO BE SOLVED: To provide an insulation monitoring device for satisfactorily monitoring insulation deterioration of electric paths with a simple constitution. <P>SOLUTION: A zero-phase current transformer 1 is provided on a ground line 6 of a cable way 5 while a transformer 4 is provided on the cable way 5. Information on a detected leak current I<SB>0</SB>and information on a cable way voltage V are inputted into a microcomputer 3. From the inputted information, the microcomputer 3 finds the effective value Ic of the leak current I<SB>0</SB>and a phase angle [phi] for the cable way 5 being in good condition, and stores them as data on leak current caused by earth capacitance (data on virtual cancellation current Igci). Thereafter, an insulation deterioration is judged to exist if a set value is exceeded by the effective value of an alternating current obtained by subtracting the sine wave data of the stored current Igci from the instantaneous value of the detected leak current I<SB>0.</SB> <P>COPYRIGHT: (C) 2004,JPO



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